

**FIG. 1A**

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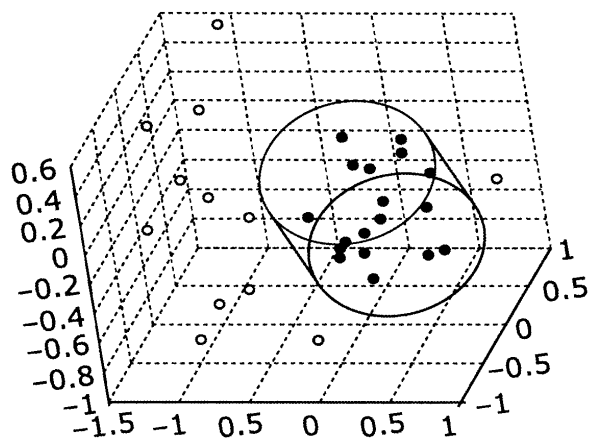


FIG. 1B

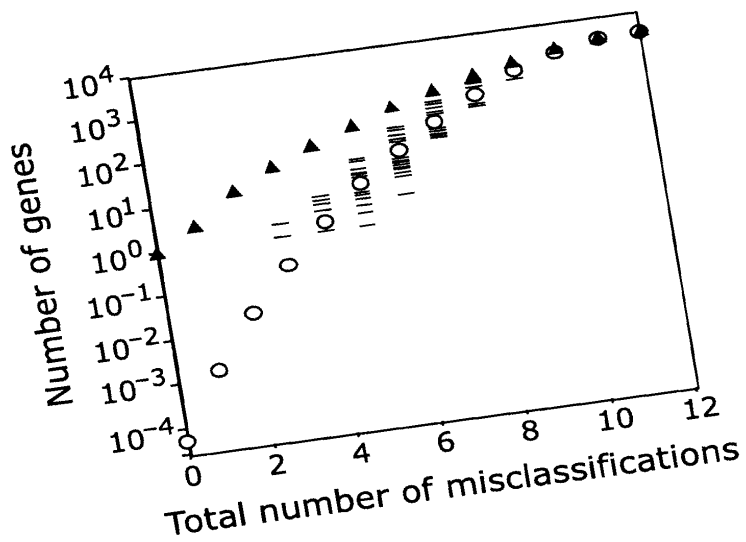


FIG. 1C

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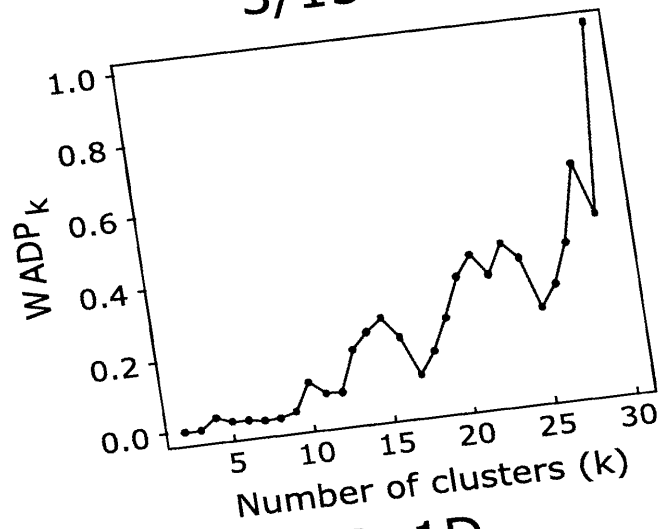


FIG. 1D

Within cluster distance  
Centre-to-centre distance  
between clusters

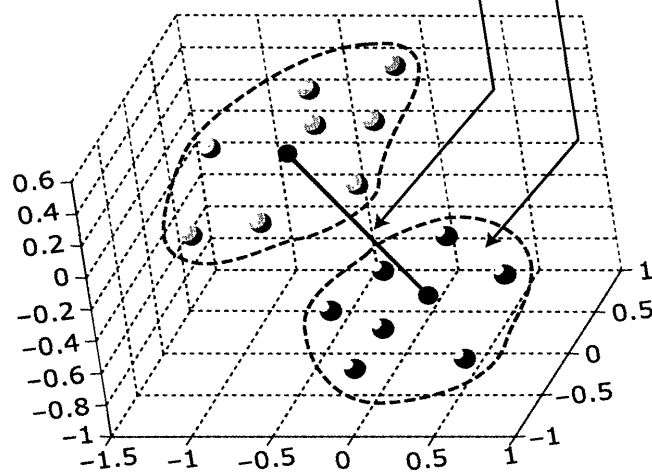


FIG. 2A

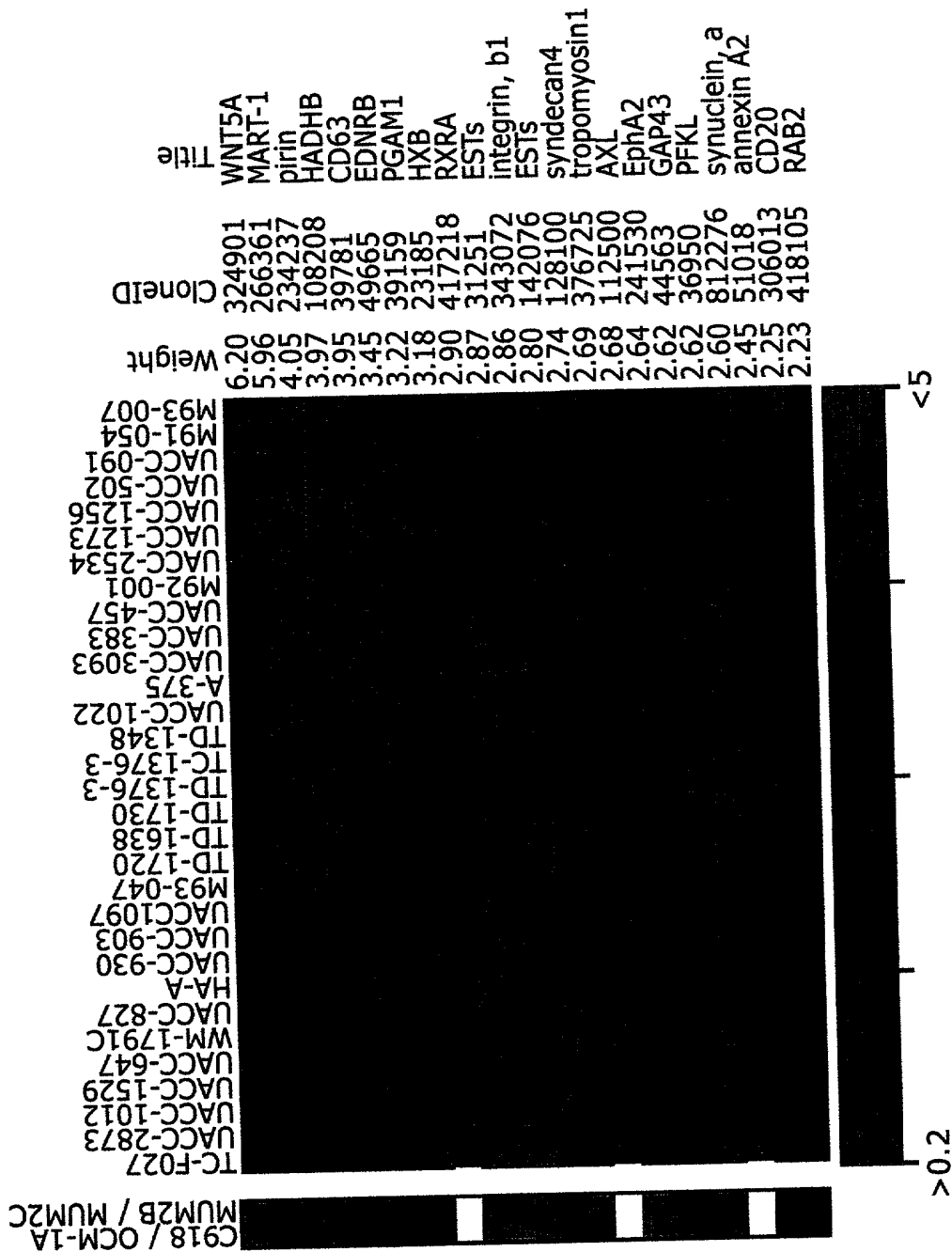


FIG. 2B

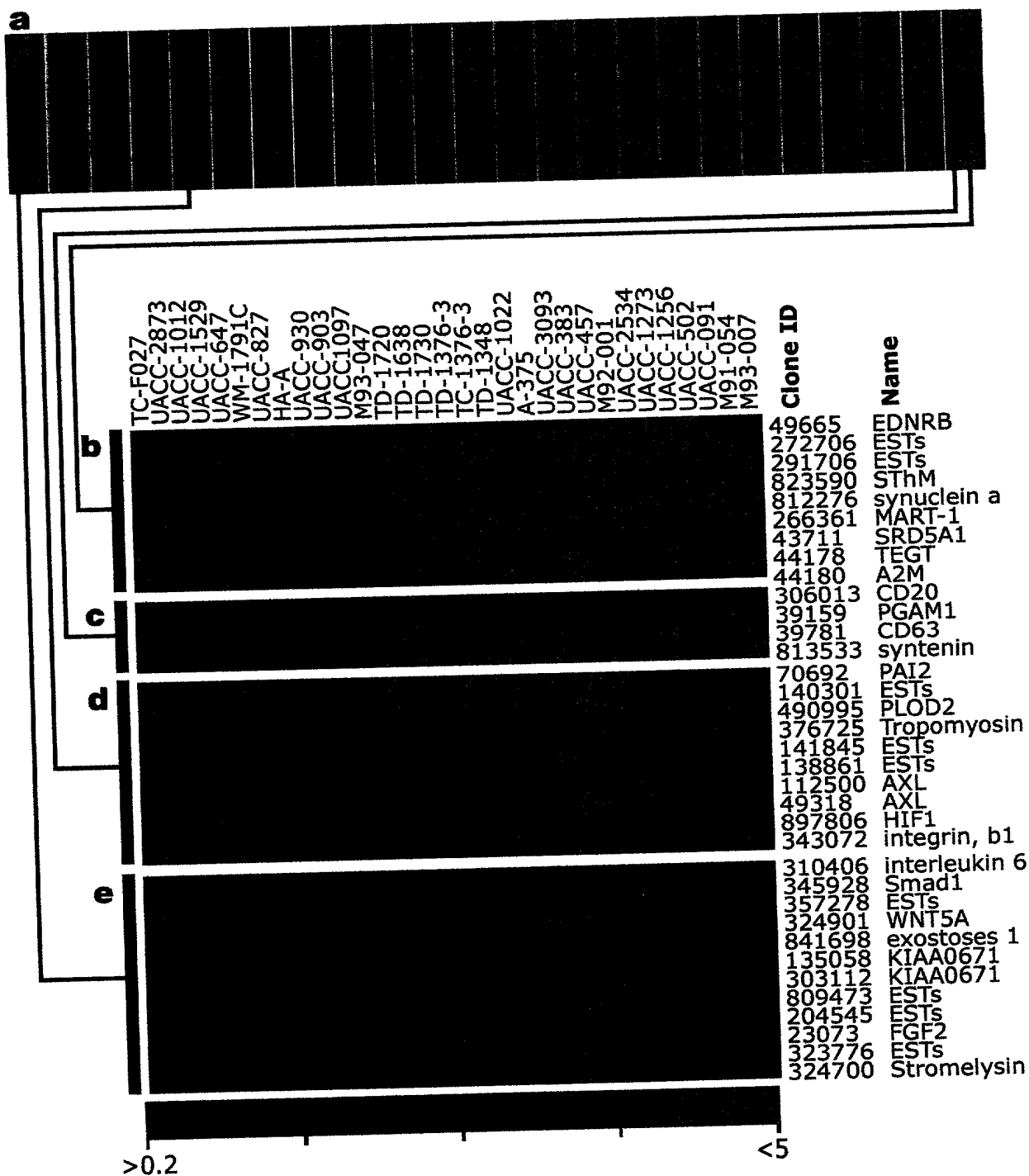


FIG. 3

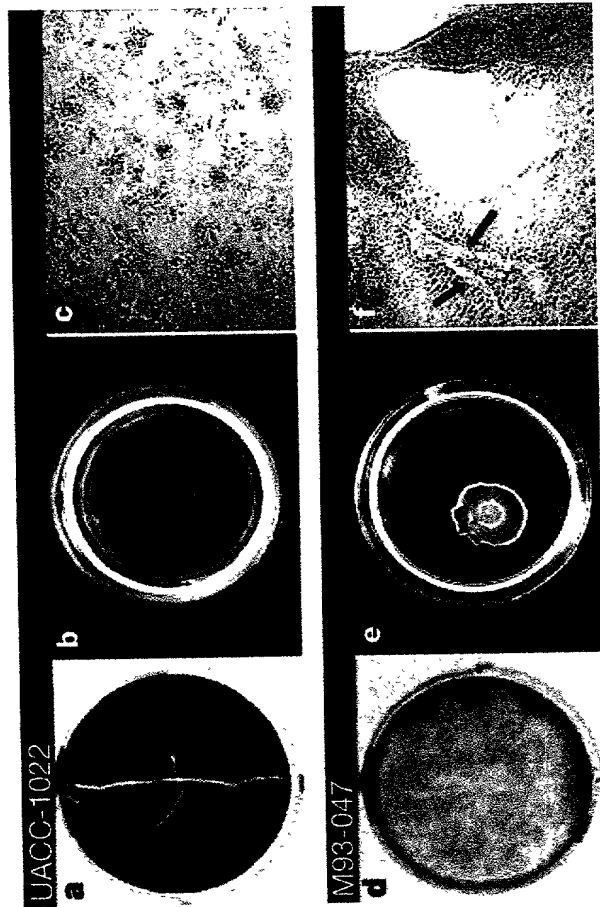


FIG. 4

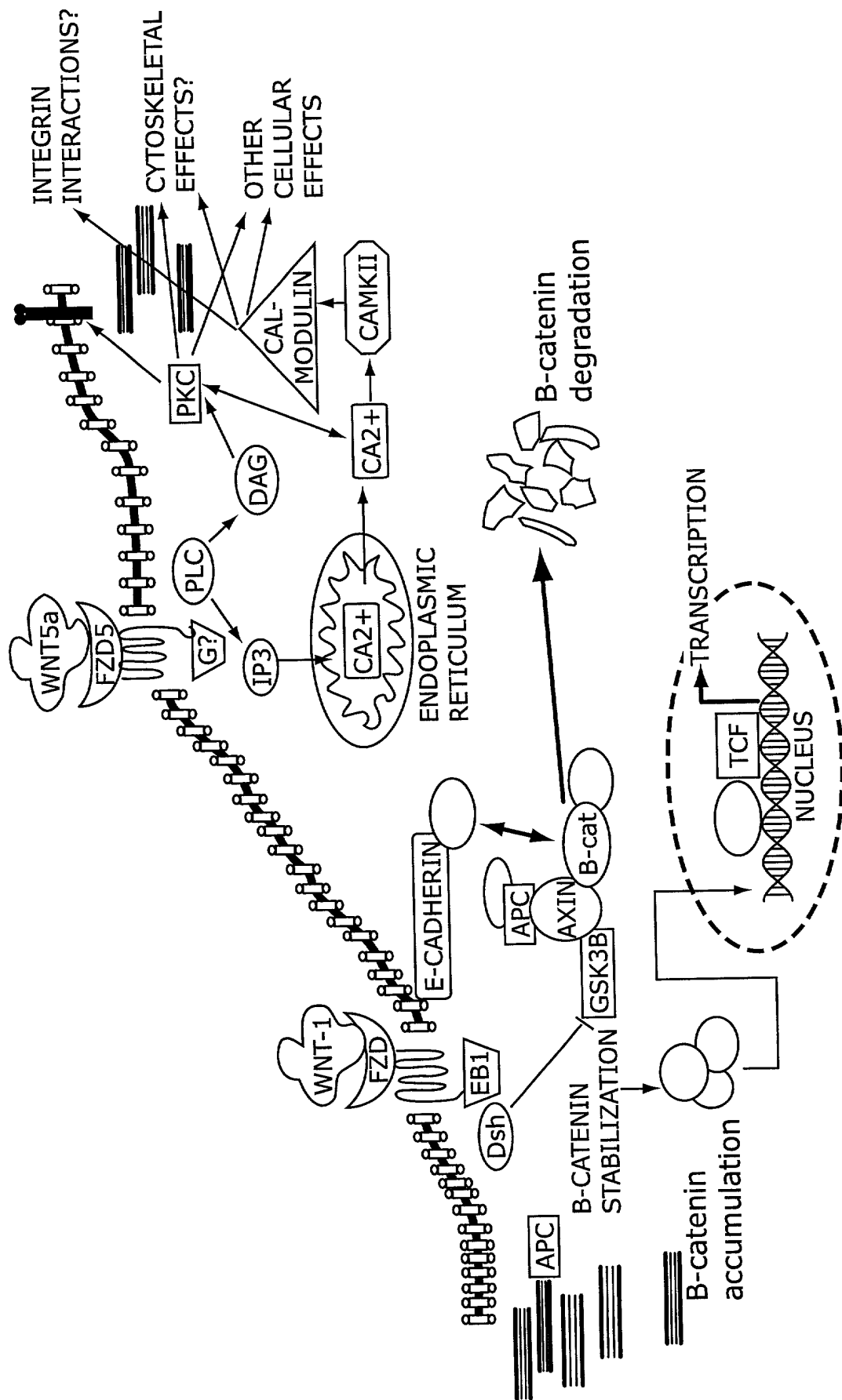


FIG. 5

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## REAL-TIME PCR OF WNT5A EXPRESSION

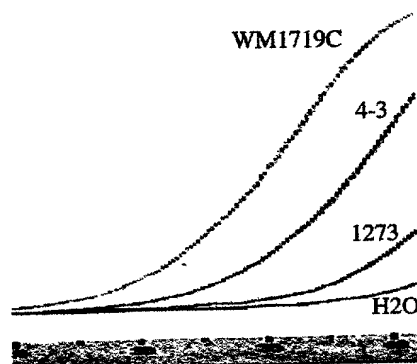


FIG. 6A

## WNT5A PROTEIN EXPRESSION

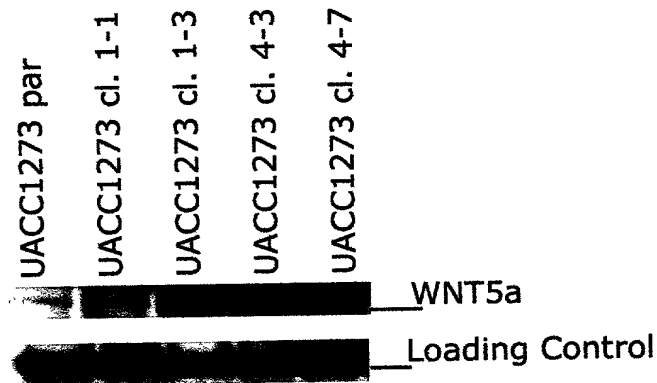
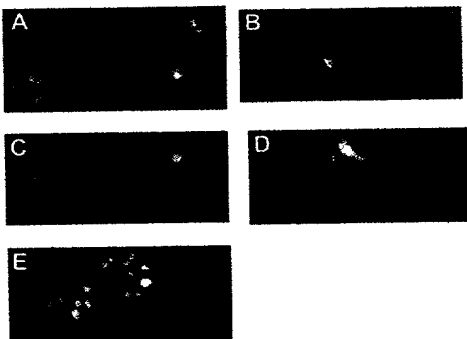


FIG. 6B



WNT5A antibody staining of transfected cell lines.

A. Antibody negative control

B. Parental cell line (untransfected)

C. Transfectant 1-3

D. Transfectant 4-3

E. Transfectant 4-7

R&D systems anti WNT5a (goat IgG) developed with Cy5 rabbit anti-goat.

FIG. 6C

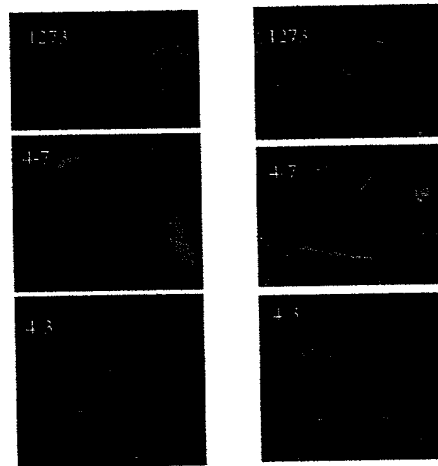


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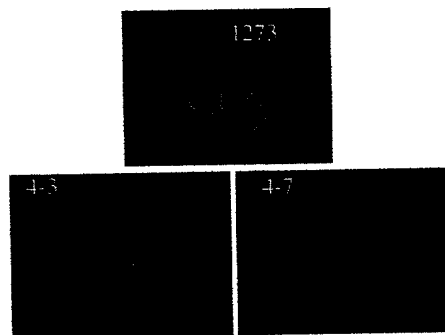
WNT5A TRANSFECTANTS-CHANGES IN CELL MORPHOLOGY

FIG. 7A



ACTIN STAINING OF WNT5A TRANSFECTANTS

FIG. 7B



BETA-CATENIN STAINING OF WNT5A TRANSFECTANTS

FIG. 8A

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PKC ACTIVITY

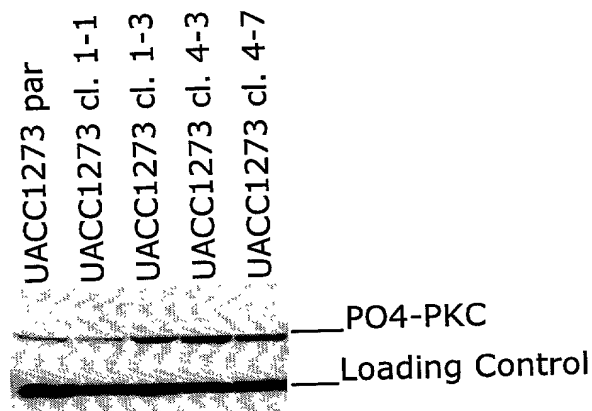
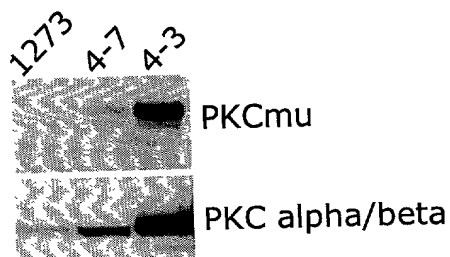


FIG. 8B



REPRESENTATIVE ACTIVITY OF PKC ISOFORMS

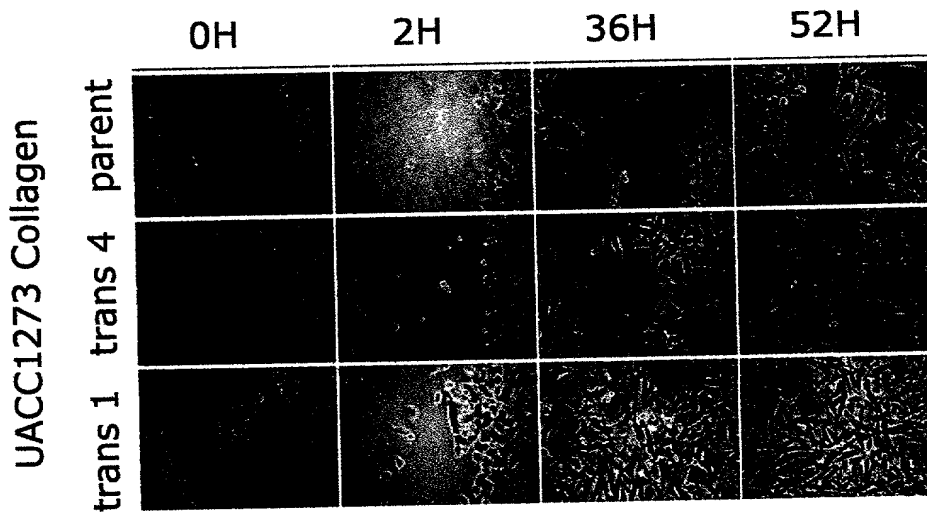
FIG. 8C

1273+ 4-3 +++ 4-7 ++	1273+ 4-3 + 4-7 +	1273+/- 4-3 +/- 4-7 +/-	1273- 4-3 +++ 4-7 +/-	1273- 4-3 - 4-7 -	1273+/- 4-3 + 4-7 +
Pkca/b11	Pkc D	Pkc L	Pkc mu	Pkc theta	Pkc zeta
Migration/ motility	Proliferation	Proliferation	Cytoskeletal rearrangements	Differentiation	Apoptosis

SUMMATION OF CHANGES IN PKC ISOFORM  
ACTIVITY UPON WNT5A TRANSFECTION

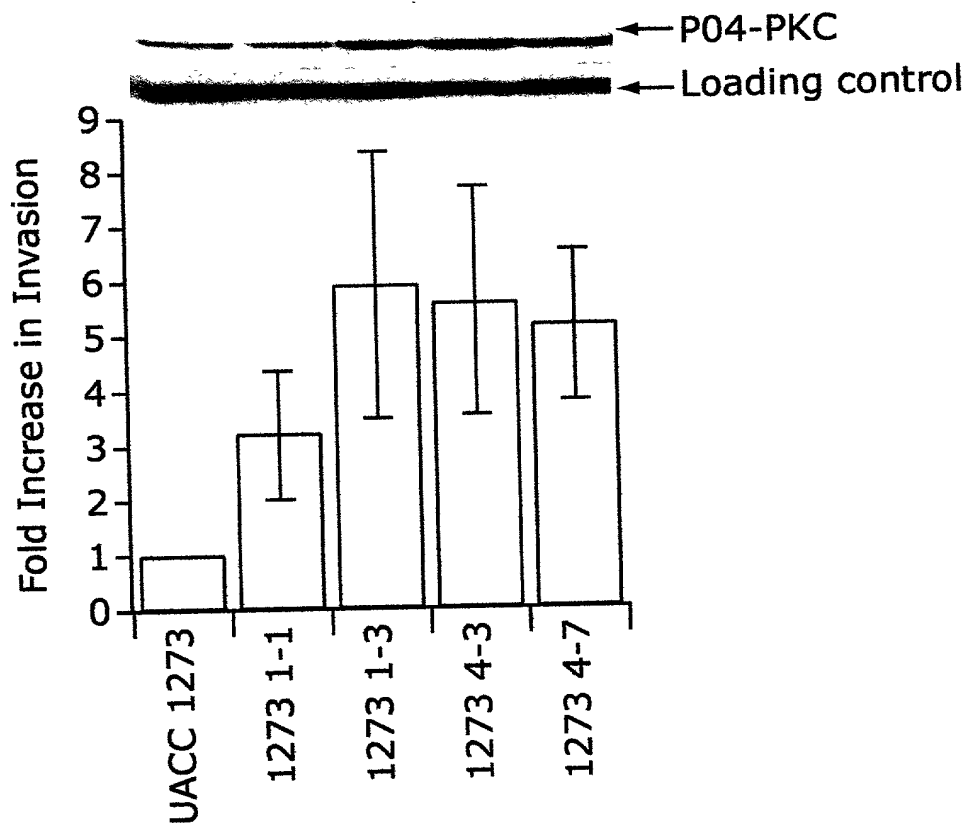
FIG. 8D

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SCRATCH ASSAY OF WNT5A EFFECTS ON INVASION

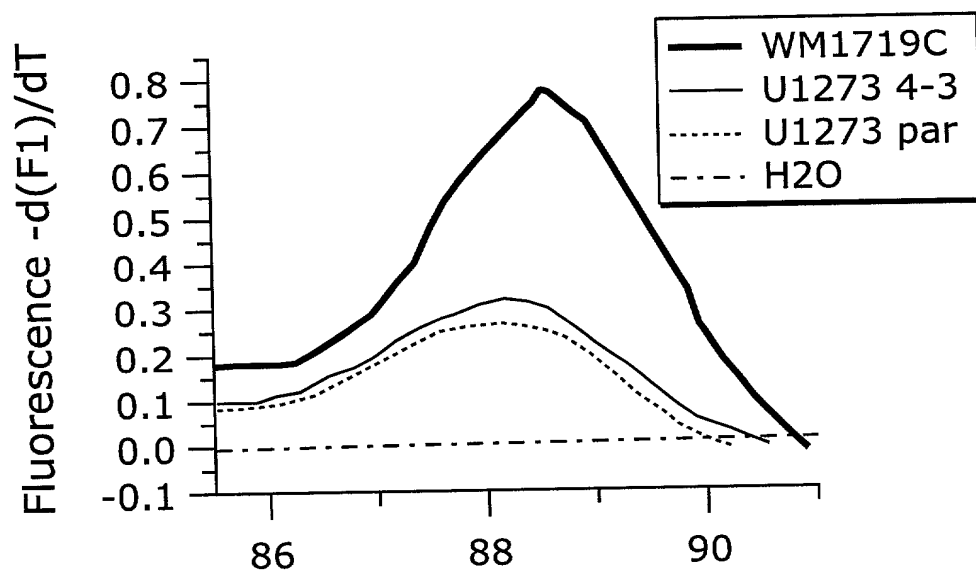
FIG. 9A



BOYDEN CHAMBER ASSAY OF WNT5A EFFECTS ON INVASION

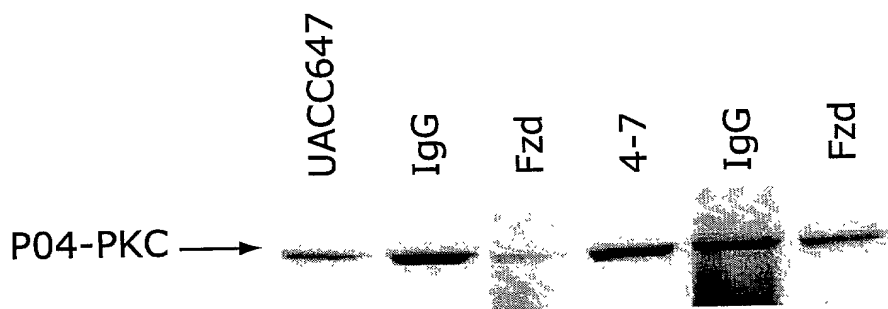
FIG. 9B

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FRIZZLED RECEPTOR EXPRESSION IN MELANOMA CELLS

FIG. 10A



EFFECT OF FRIZZLED ANTIBODY ON PKC ACTIVITY

FIG. 10B

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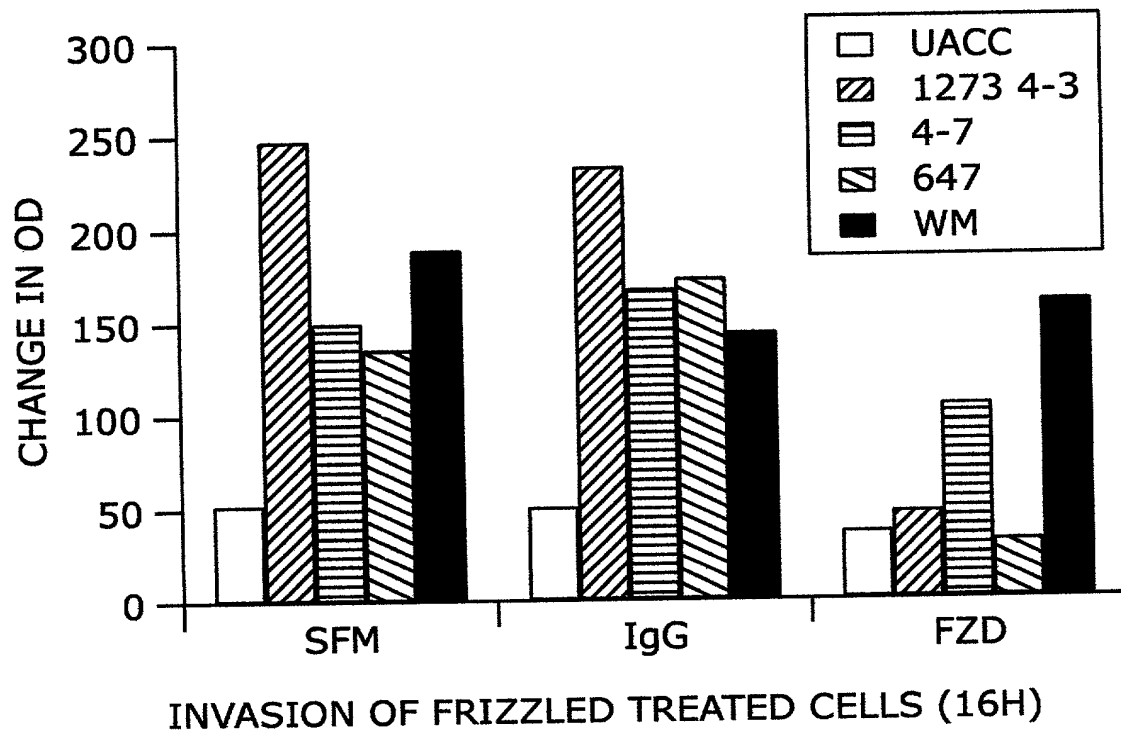


FIG. 10C



EFFECT OF FRIZZLED ANTIBODY ON  
INVASION OF WNT5A TRANSFECTANTS

FIG. 10D